

CLAIMS

What Is Claimed Is:

- 5 *Sub* 1. An active control releasable ballast system for dive equipment, comprising:
- a ballast receiving pocket;
 - a ballast member stored within said receiving pocket prior to release of said ballast;
 - 10 a first strap attached at least approximate to said receiving pocket;
 - a second strap attached at least approximate to said receiving pocket, said second strap associated with said ballast member; and
 - a side releasable buckle having a first section and a second section, said first section of said side releasable buckle attached to said first strap, said second section of said side releasable buckle attached to said second strap, wherein prior to release of said ballast member said first section and said second section are connected to each other.
- 22 *cos* 2. The active control releasable ballast system of claim 1 further including a pouch for holding said ballast member, said pouch stored within said receiving pocket prior to release of said ballast member and said pouch.
- 25 3. The active control releasable ballast system of claim 2 wherein said second strap is attached to said pouch.
- 30 4. The active control releasable ballast system of claim 1 wherein said second strap is attached to said receiving pocket.

Sub B2 5. The active control releasable ballast system of claim 1 wherein said second strap adapted for attachment to said dive equipment.

5
2 6. The active control releasable ballast system of claim 1 wherein said second strap is attached to said ballast member.

7. The active control releasable ballast system of claim 10 2 further including a handle attached to said pouch.

8. The active control releasable ballast system of claim 1 further including a handle attached to said ballast member.

9. The active control releasable ballast system of claim 1 further including a slightly curved plate disposed within and attached to said receiving pocket.

10. The active control releasable ballast system of claim 20 2 further including a slightly curved plate disposed within and attached to said pouch.

11. The active control releasable ballast system of claim 2 further including a first slightly curved plate disposed 25 within and attached to said receiving pocket and a second slightly curved plate disposed within and attached to said pouch.

12. The active control releasable ballast system of claim 30 2 wherein said pouch having a flap.

Sub B3 13. The active control releasable ballast system of claim 1

b3
jk

add
A2

$$\begin{array}{ccccccc} \mathbb{F}_2^{2000} & \mathbb{F}_2^{1000} & \mathbb{F}_2^{500} & \mathbb{F}_2^{250} & \mathbb{F}_2^{125} & \mathbb{F}_2^{62} & \mathbb{F}_2^{31} \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ \mathbb{F}_2^{1000} & \mathbb{F}_2^{500} & \mathbb{F}_2^{250} & \mathbb{F}_2^{125} & \mathbb{F}_2^{62} & \mathbb{F}_2^{31} & \mathbb{F}_2^{15} \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ \mathbb{F}_2^{500} & \mathbb{F}_2^{250} & \mathbb{F}_2^{125} & \mathbb{F}_2^{62} & \mathbb{F}_2^{31} & \mathbb{F}_2^{15} & \mathbb{F}_2^7 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ \mathbb{F}_2^{250} & \mathbb{F}_2^{125} & \mathbb{F}_2^{62} & \mathbb{F}_2^{31} & \mathbb{F}_2^{15} & \mathbb{F}_2^7 & \mathbb{F}_2^3 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ \mathbb{F}_2^{125} & \mathbb{F}_2^{62} & \mathbb{F}_2^{31} & \mathbb{F}_2^{15} & \mathbb{F}_2^7 & \mathbb{F}_2^3 & \mathbb{F}_2^1 \end{array}$$